

***LineUp With Math™* Alignment**  
**Minnesota Academic Standards**  
**Mathematics**

**Strand I. MATHEMATICAL REASONING**

**Standard:** Apply skills of mathematical representation, communication and reasoning throughout the remaining four content strands.

<b>Benchmarks</b>	<b><i>LineUp With Math™</i> Activities</b>
1. Communicate, reason and represent situations mathematically.	--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.  --Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.
3. Evaluate the reasonableness of the solution by considering appropriate estimates and the context of the original problem.	--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.
5. Express a written problem in suitable mathematical language, solve the problem and interpret the result in the original context.	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.  --Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.
6. Support mathematical results using pictures, numbers, and words to explain why the steps in a solution are valid and why a particular solution method is appropriate.	--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.  --Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.
7. Organize, record and communicate mathematical ideas coherently and clearly.	--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.